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(54) Cleaning system and process for making and using same employing a highly viscous solvent

(57) A cleaning system employing a highly viscous cleaning agent. A highly viscous cleaning agent (20) is placed on a strip of cleaning fabric (13) whereby the strip of cleaning fabric is made functional for cleaning cylinders of printing presses. The strip of cleaning fabric is wrapped around the center piece (11). The strip of cleaning fabric may then be brought into contact with a cylinder to be cleaned in order to clean the cylinder. The highly viscous cleaning agent may be made by mixing a viscosity adding agent with a low volatility, organic compound solvent. Additionally, water or another additive may be mixed in for improved cleaning properties. The method of making the same is also discussed.

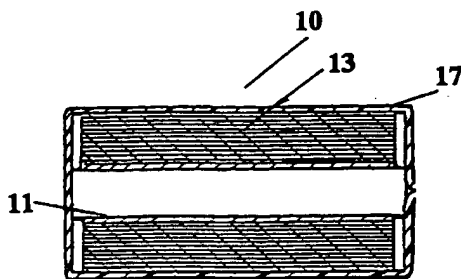


FIG. 1A

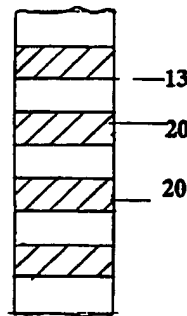


FIG. 2B

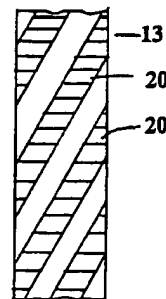


FIG. 2C

EP 0 747 218 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 96 30 1073

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	DE 39 07 611 A (GRAFOTEC KOTTERER GMBH)	1-3,5-26	B41F35/00
Y	* the whole document *	4,34-44	
Y,D	US 5 368 157 A (GASPARRINI ET AL)	4	

Y	DE 28 04 801 A (BALDWIN-GEGENHEIMER GMBH)	34-44	
	* the whole document *		

A	FR 2 205 559 A (PELARD-MARTEL)		

A	EP 0 390 707 A (CHEVREUX)		

A	GB 2 081 181 A (UNILEVER PCL)		

A	DE 37 36 397 A (GEORG SPIESS GMBH)		

The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		16 August 1996	DIAZ-MAROTO, V
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>Δ : member of the same patent family, corresponding document</p>			

EPO FORM 1503 (01.92) (P04C01)



European Patent Office

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and those claims for which fees have been namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of the unity of the invention and relates to several inventions or groups of inventions, namely:

See sheet -B-

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims
- ☐ Only part of the further claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respects of which search fees have been paid, namely claims:
- ☒ None of the further claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-44

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions, namely:

1. Claims 1-44 : Cleaning system with a highly viscous agent applied on a strip of fabric.
2. Claims 45-55 : Method of preparing a cleaning agent comprising a low volatility organic compound.